

# INTERNATIONAL SEARCH REPORT

PCT/GB 03/03982

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07D333/20 C07D333/22 C07F15/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

CHEM ABS Data, EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 18 16 282 A (NEDERLANDSE CENTRALE ORGANISATIE VOOR TOEGEPAST-NATUURWETENSCHAPPELIJK) 17 July 1969 (1969-07-17) page 11, column 2, line 1	10
E	EP 1 346 977 A (BAYER AG) 24 September 2003 (2003-09-24) examples 1-4	1-15

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

22 March 2004

Date of mailing of the international search report

05.04.04

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ASHOK KUMAR ET AL: "A new chemoenzymatic enantioselective synthesis of R-(-)-tomoxetine, (R)- and (S)-Fluoxetine" TETRAHEDRON LETTERS, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 32, no. 16, 1991, pages 1901-1904, XP002121769 ISSN: 0040-4039 page 1902	1-15
A	MUTH, C.W.; ET AL.: J. MED. CHEM., vol. 24, 1981, pages 1016-1018, XP002267313 scheme II page 1016, column 2	3
A	COLWELL, W.T.; ET AL.: J. MED. CHEM., vol. 15, no. 7, 1972, pages 771-775, XP002267314 scheme II page 772, column 1	3
A	MILES, W.H.; ET AL.: TETRAHEDRON, vol. 57, 2001, pages 9925-9929, XP002267315 scheme 2 page 9926	3
A	HARFENIST, M.; ET AL.: J. AM. CHEM. SOC., vol. 78, 1956, pages 1060-1064, XP002267316 page 1061; figure 1	3
A	EVERAERE, K.; ET AL.: TETRAHEDRON ASYMMETRY, vol. 10, 1999, pages 4663-4666, XP002267317 the whole document	9
A	EP 0 457 559 A (LILLY CO ELI) 21 November 1991 (1991-11-21) page 3, line 25 - line 45	1-15
A	EP 0 654 264 A (LILLY CO ELI) 24 May 1995 (1995-05-24) page 5, line 20 - line 44	1-15

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE CA 'Online! CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; VOGT, CHRISTIANE ET AL: "HPLC separation of racemic amines after derivatization with (1S)-(+)-camphor-10-sulfonylchloride" retrieved from STN Database accession no. 114:80674 XP002274379 RN 132034-24-3 RN 132077-12-4	22
Y	abstract & PHARMAZIE (1990), 45(9), 691 , ---	16-21
Y	WO 02 44111 A (BLACKER ANDREW JOHN ;AVECIA LTD (GB); BROWN STEPHEN MARTIN (GB); B) 6 June 2002 (2002-06-06) page 2, line 1 - line 26 page 15, line 26 - line 30 ---	16-21
Y	WO 98 42643 A (MELLOR BEN J ;ZENECA LTD (GB); BLACKER ANDREW J (GB)) 1 October 1998 (1998-10-01) page 3, line 1 - line 18 page 9, line 21 - line 25 ---	16-21
Y	EP 0 916 637 A (JAPAN SCIENCE & TECH CORP ;TAKASAGO PERFUMERY CO LTD (JP); NIPPON) 19 May 1999 (1999-05-19) cited in the application paragraphs '0018!', '0068!', '0075!; claims 17,18 ---	16-21
A	NOYORI R ET AL: "Ruthenium(II)-Catalyzed Asymmetric Transfer Hydrogenation of Ketones Using a Formic Acid-Triethylamine Mixture" JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US, vol. 118, no. 10, 1996, pages 2521-2522, XP002240976 ISSN: 0002-7863 the whole document --- -/--	16-22

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PCT/GB 03/03982

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>UEMATSU N ET AL: "ASYMMETRIC TRANSFER HYDROGENATION OF IMINES" ---  JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, DC, US,  vol. 118, no. 20,  22 May 1996 (1996-05-22), pages 4916-4917, XP002069432  ISSN: 0002-7863  the whole document</p>	16-22
A	<p>PALMER M ET AL:  "(1R,2S)-(+)-cis-1-Amino-2-indanol: an effective ligand for asymmetric catalysis of transfer hydrogenations of ketones"  JOURNAL OF ORGANIC CHEMISTRY, AMERICAN CHEMICAL SOCIETY, EASTON, US,  vol. 62, no. 15,  25 July 1997 (1997-07-25), pages 5226-5228, XP002150567  ISSN: 0022-3263  the whole document</p>	16-22